

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"20030114193"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 18:27
L8	51	(base near2 station) and (mobile \$phone cellular) and (antenn\$2) and (beamform\$4 (beam\$4 near2 form\$4)) and (spatial near3 signature).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/05 18:31
S1	85546	"455"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 19:09
S2	21864772	@ad<="20011214" or @rlad<="20011214" or @ptad<="20011214" or @pt1d<="20011214" or @pt3d<="20011214"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/01 15:18
S3	62444	S1 and S2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 12:36
S4	24	(signature near3 estimat\$4) same signatur\$4 same (beam beamform\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 14:17
S5	7	S3 and S4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 12:37
S6	20	S2 and S4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 14:14
S7	7862	(cellular cell terminal communication (mobile near2 station) ms mt \$6phone) with ((two multiple more) near2 antenn\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 14:16

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S8	9703	(cellular cell terminal communication (mobile near2 station) ms mt \$6phone) with ((two multiple more) near3 antenn\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 16:50
S9	24	(signature near3 estimat\$4) same (beam beamform\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 14:18
S10	40	(signature near3 estimat\$4) same (beam downlink beamform\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 14:18
S11	280	((signature near4 estimat\$4) (channel near2 character\$4)) same (beam downlink beamform\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 14:19
S12	2205	(signature (channel near2 character\$4)) same (beam downlink beamform\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 16:48
S13	16	S8 same S12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 14:19
S14	39996	(signature (channel near2 character\$4) signal (power near2 level) (signal near3 \$6processor)) same (beam downlink beamform\$4 weight) same compar\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 19:05
S15	85546	"455"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 16:50
S16	21864772	@ad<="20011214" or @rlad<="20011214" or @ptad<="20011214" or @pt1d<="20011214" or @pt3d<="20011214"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 16:50
S17	62444	S15 and S16	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 16:50

## EAST Search History

S18	10618	(cellular cell terminal communication (mobile near2 station) ms mt \$6phone) with ((two multiple more multi) near3 antenn\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 19:06
S19	62	S14 same S18	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 16:51
S20	54	S16 and S19	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 16:51
S21	323977	(signature (channel near2 character\$4) rssi signal (power near2 level) (signal near3 \$6processor)) same (beam\$4 downlink beamform\$4 weight)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 19:06
S22	44688	((two multiple more multi additional) near3 antenn\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 19:07
S23	300627	antennas antenne	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 19:08
S24	17761	S21 same S23	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 19:08
S25	3806	S24 same S22	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 19:08
S26	21864772	@ad<="20011214" or @rlad<="20011214" or @ptad<="20011214" or @pt1d<="20011214" or @pt3d<="20011214"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 19:09
S27	85546	"455"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 19:09

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S28	62444	S26 and S27	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 19:11
S29	795	S25 and S28	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 19:11
S30	2785218	compar\$4 collat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 19:12
S31	544	S29 and S30	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 19:12
S32	544	S28 and S31	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 19:13
S33	317	S25 same S30	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 19:14
S34	58	S28 and S33	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/01 19:14
S35	2	"6615024".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/25 14:20
S36	2	"20030090978"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/25 14:20
S37	2	"20020090978"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/25 14:21

## EAST Search History

S38	2	"20030087673"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/25 14:22
S39	2	"20030064754"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/25 14:45
S40	2	"6031831".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/25 14:46
S41	2	"20030054835"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/26 16:59
S42	7	(antenn\$2 near6 (spatial near3 signature)) with (beamform\$4 (beam\$4 near2 form\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/26 17:21
S43	21978737	@ad<="20011214" or @rlad<="20011214" or @ptad<="20011214" or @pt1d<="20011214" or @pt3d<="20011214"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/26 17:01
S44	7	S42 and S43	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/26 17:01
S45	13	(antenn\$2 near6 (spatial near3 signature)) same (beamform\$4 (beam\$4 near2 form\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/26 18:42
S46	9	(antenn\$2 near4 (portable mobile cellular handheld hand?held ((wireless radio remote\$2 wireless communication) near3 (terminal\$4 device\$4)) \$phone (personal near3 digital) pda pcd ms (mobile adj station))) with (spatial near3 signature) same (beamform\$4 (beam\$4 near2 form\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/26 18:30

## EAST Search History

S47	2	"5592490".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/26 18:30
S48	95	(spatial near3 signature) same (beamform\$4 (beam\$4 near2 form\$4) (weight near3 vector))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/01 15:19
S49	72	S43 and S48	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/26 20:05
S50	30	(spatial near3 signature) same (downlink near5 ((beamform\$4 (beam\$4 near2 form\$4) (weight near3 vector))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/26 18:44
S51	27	S43 and S50	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/26 18:44
S52	2	"6377819".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/26 20:05
S53	2	"6377819".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/01 14:28
S54	2	"20030114193"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/01 14:28
S55	22032728	@ad<="20011214" or @rlad<="20011214" or @ptad<="20011214" or @pt1d<="20011214" or @pt3d<="20011214"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/01 15:18
S56	35	spatial same ((beamform\$4 (beam\$4 near2 form\$4)) near4 downlink\$4) same (antenna\$4 transceiver)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/01 15:37

## EAST Search History

S57	26	S55 and S56	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/01 15:21
S58	209	((beamform\$4 (beam\$4 near2 form\$4)) near4 downlink\$4) same (antenna\$4 transceiver)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/01 15:37
S59	138	S55 and S58	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/01 16:32
S60	334	16/343,344.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/01 16:32